PATENT ABSTRACTS OF JAPAN

(11)Publication number :   2003-272857
(43)Date of publication of application : 26.09.2003

(51)Int.Cl.

H05B 33/14
C09K 11/06

(21)Application number : 2002-076619
(22)Date of filing :   19.03.2002

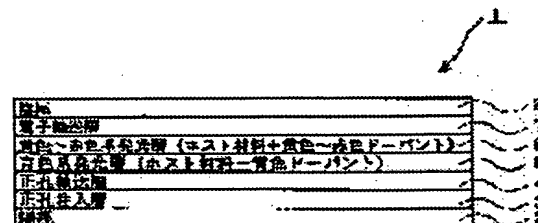(71)Applicant : IDEMITSU KOSAN CO LTD
(72)Inventor : FUKUOKA KENICHI
                    HOSOKAWA CHISHIO

(54) WHITE COLOR GROUP ORGANIC ELECTROLUMINESCENT ELEMENT

(57)Abstract:
PROBLEM TO BE SOLVED: To provide a white color group organic element with few color change.
SOLUTION: The white color group electroluminescent element 1 of which, a light emitting layer is composed of a blue color group light emitting layer 5 and a yellow − red color group light emitting layer 6, is formed by laminating a positive electrode 2, the blue color group light emitting layer 5 containing host material and blue color group dopant, the yellow − red color group light emitting layer 6 containing host material same with that of the blue color light emitting layer and yellow − red color group dopant, and a negative electrode 8 in this sequence. For such an EL element of which, the light emitting layer is split into two, the tendency of emitted color, leaning toward red color side, is cancelled by forming the positive electrode 2 side light emitting layer of which, light emitting area tends to lean toward one side, by the blue color group light emitting layer 5. Accordingly, the thickness of the yellow − red color group light emitting layer 6 can be made thicker, and the color change becomes few.

LEGAL STATUS
[Date of request for examination]   28.09.2004
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]